Bio-Gag Plans in Gujarat

1499. SHRI RAJUBHAI A. PARMAR: Will the PRIME MINISTER be pleased to state:

(a) the details of bio-gas plants installed in Gujarat, district-wise, during the last two years;

(b) what target has been fixed during 1994 regarding installation of bio-gas plants in the rural and adivasi areas of the State;

(c) what is the total number of bio-gas plants installed during the said period; and

(d) what amount has been allocated by Government for the installation of bio-gas plants?

THE MINISTER OF STATE IN MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR): (a) The number of bio-gas plants installed in the State of Gujarat taring the last two years, i.e. 1992-93 and 1993-94, district-wise, is given in the enclosed statement (See below).

(b) The State has been allocated a target of setting up of 39,200 family type biogas plants and seven community, institutional and night-soil based biogas plants in the rural and adivasi areas during the year 1994-95.

(c) During the year 1992-93 and 1993-94, a total of 4.04 lakh family type biogas plants and 397 community, insest tional and night-soil based plants have been installed in the country under National Project on Biogas Development and Community, Institutional and Night-soil based Biogas Plants Programmes. respectively.

(d) A budget provision of Rs 63.70 crores and Rs. 3.00 crores has been provided for National Project on Biogas De-veopment and Community, Institutional and Night-soil based Biogas Plants Prog ramre, respectively, for the year 1994-95

Statement

Dstrict.wise number of family type and community, institutional and night-soil based bioges plants set up in the State of Gujarat during 1992-93 *and* 1993-94

Name of District	No. of plants set up during 1992-93 and 1993-94	
	Family Type Bioges plants	Community, institutional and night soil based biogas plants
1	2	3
Ahmadabad	2815	1
Amreli	2751	3
Banaskantha	2995	2
Bharuch	2192	3
Bhavnagar	1382	1
Gandhinagar	340	..
Jamnagar	4003	..
Junagarh	9308	4

1	2	3
Kutchchh	387	..
Kheda	5384	..
Mehsana	5765	4
Panchmahal	6414	..
Rajkot	6307	..
Sabarkantha	7919	12
Surat	2952	..
Surendranagar	624	..
The Dangs	145	..
Vadodara	11231	1
Valsad	5747	2
TOTAL:—	78661	33

Agrecultural Machinery run by Bio-Mass Energy

1500. SHRI BHUPINDER SINGH MANN: Will the PRIME MINISTER be pleased *to* state:

(a) the names of countries of the world where agricultural machinery are running by bio-mass energy;

(b) whether this technology can be introduced in India; if so, the basic re quirements therefor; and

(c) what are the reasons for not intro ducing this technology in the country till now?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR): (a) Countries which are using bio-mass energy systems for operating agricultural machinery include China, India, France, Sweden, Thailand, United Kingdom, United States of America, etc.

(b) Bio-mass energy technology has already been introduced and is being developed in India, based on the availability of various types of bio-mass and economic viability.

(c) Does not arise.

Wind Mill Technology

1501. SHRI BHUPINDER SINGH MANN: Will the PRIME MINISTER he pleased to state:

(a) what are the potential areas where wind mill technology to generate power can be launched and the basic amenities required therefor,

(b) the names of the countries where this technology is operating successfully and the power generated by the same in each country;

(c) what are the reasons for not bringing this technology to India;

(d) whether any survey has been made as to the potential areas for introducing this technology in India; and

(e) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRISH'